

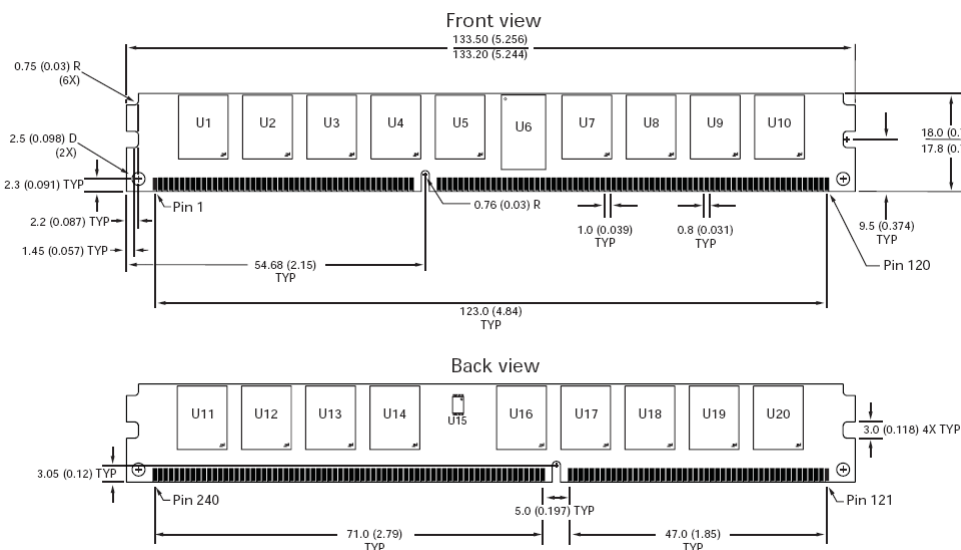
Products in Family

DRIHS23S/4GB (1 x 4GB 1R VLP DIMM)
 DRIHS23/4GB (1 x 4GB 2R VLP DIMM)
 DRIHS23/8GB (1 x 8GB 2R VLP DIMM)
 DRIHS238/8GB (1 x 8GB 2R VLP DIMM)
 DRIHS23S/8GB (1 x 8GB 1R VLP DIMM)
 DRIHS23/16GB (1 x 16GB 2R VLP DIMM)



Features	Description
240-pin JEDEC-compliant Very Low Profile (VLP) DIMMs 133.35 mm wide by 18.7 mm high (.738" x 5.25") Data Transfer Rate: up to 12.8 Gigabytes/sec Operating Voltage: 1.5 V $\pm$ 0.075 Error Checking and Correction (ECC) bits Supports Intel SDDC and Chipkill Advanced ECC Features Fully RoHS Compliant	Each DRIHS23 upgrade consists of a matched pair of DDR3 Registered VLP DIMMs with address/command parity functionality. One 2K-bit EEPROM is used for Serial Presence Detect and a combination register/PLL with Address and Command Parity is also used. A thermal sensor accurately monitors the DIMM module and can prevent exceeding the maximum operating temperature of 95C.

Dataram Product	IBM Product	Produce Description:
DRIHS23S/4GB	90Y3147	4GB 1Rx4 PC3-12800R-11
DRIHS23/4GB	90Y3148	4GB 2Rx8 PC3-12800R-11
DRIHS23/8GB	90Y3149	8GB 2Rx4 PC3-12800R-11
DRIHS238/8GB	00D4993	8GB 2Rx8 PC3-12800R-11
DRIHS23S/8GB	00D4989	8GB 1Rx4 PC3-12800R-11
DRIHS23/16GB	90Y3157	16GB 2Rx4 PC3-12800R-11



Notes

Tolerances on all dimensions except where otherwise indicated are $\pm$.13 (.005).
 All dimensions are expressed in millimeters.